BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estimate for Providing Electrical Poles and Street Lights in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Ward No....11 **Estimate No..** **For Rs.15,00,000.00**

Sl. No	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount
1 P.No 22 I.No4.16	Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise "Tw-130deg C & temperature sise T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring , Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A'	Each	156	6900	1076400
2 P.No-108 I.No-17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Each	156	893	139308
3 P.No-51 I.No-6.48.3	Supplying and fixing of timer Operating Illuminance Levels I. For Switching ON : < 60 lux for >30 sec II. For Switching OFF : >10 lux for >30 sec Switching Endurance : Minimum 5,000 cycles. • Max. Device Power Insulation Resistance : Minimum 5 Meg Ohms • Operating Temperature Range : -10o C to +55oC (Ambient) • Operating Humidity Range : Upto 95% RH at 40oC Auto Voltage trip levels, Auto High Voltage Sense and Trip : Above 280 VAC, Auto High Voltage Sense and Reset : Below 265 VAC. Auto low voltage sense and trip : Below 150 VAC, Auto low voltage sense and reset : Above 165 VAC, Consumption : 1 Watt at 230 VAC(Approved Rates) Contactor details: supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and As per IS-13947 Rating: a) 100-125 amps	Each	10	15730	157300

4 78/32	Supply and fixing of ..... cross arm including all Hardwares compete as per the standard technical specification. b) 2 Pin 45x45x5mm-510mm	Each	35	123	4305
	a) 4 Pin 45x45x5mm-1110mm	Each	40	229	9160
5 79/37	Supplying and Fixing..... including all Hardwares etc complete as per the Standard technical Specification. A) 1.1KV Pin Insulator	Each	130	70	9100
	d) No.8 Strain Insulator	Each	50	24	1200
6 79/39	Supplying and stringing of ACSR Conductor (6/2.59mm Al+1/2.59mm steel)	Mtr	5000	19.8	99000
7 79/36	Supplying and fixing ..... including all Hardwares etc complete as per the standard technical specification e) RCC Clamp	Each	60	61	3660
	Misellanious				567
	Total Amount				1500000

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates and 2014-15 SR Rates.

EXECUTIVE ENGINEER (ELE)
Yelahanka Zone, BBMP

Administrative Approval

Accorded For 1500000/-
Head of A/C P-1771
CER NO :138 dt 10.3.16

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 15.00 lakhs
Rupees Fifteen Lakhs only
Under P1771 Zone Works - POW Works
Registered as EE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. CE/Y2/AS/97/15
Dt. 01.01.2016 Estimate A/ Sanctioned
EE/Ele/Y2/TS/04/15-16 No.
Dated 01.01.2016 Rs. 15.00 lakhs

Executive Engineer